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TECH CENTER 1600/2900

SEQUENCE LISTING

<110> Inoue, Yasushi  
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Mizubuchi, Hiroyuki  
Yamamoto, Yoshie  
Ohshima, Yoshie  
Yasutake, Nozomu  
Miyoshi, Shinsuke

<120> Promoters

<130> 3274-011309

<140> 09/936,145

<141> 2001-09-07

<150> PCT/JP00/01415

<151> 2000-03-08

<150> US11/060904

<151> 1999-03-08

<150> US11/286034

<151> 1999-10-06

<160> 22

<170> Microsoft Word 97 SR-2

<210> 1

<211> 249

<212> DNA

<213> Bacillus amyloliquefaciens

<400> 1

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atcagacagg	gtatttttta	tgctgtccag	actgtccgct	gtgtaaaaaa	taggaataaa	180
gggggggttg	tattatttta	ctgatatgta	aaatataatt	tgtataagaa	aatgagaggg	240
agaggatcc						249

<210> 2

<211> 270

<212> DNA

<213> Bacillus amyloliquefaciens

<400> 2

gccccgcaca	tacgaaaaga	ctggctgaaa	acattgagcc	tttgatgact	gatgatttgg	60
ctgaagaagt	ggatcgattg	tttgagaaaa	gaagaagacc	ataaaaatac	cttgtctgtc	120
atcagacagg	gtatttttta	tgctgtccag	actgtccgct	gtgtaaaaaa	taggaataaa	180
gggggggttg	tattatttta	ctgatatgta	aaatataatt	tgtataagaa	aatgagaggg	240
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<210> 3

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 3  
 cgctctagag ccccgcacat acgaaaaga 29

<210> 4  
 <211> 35  
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 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Example of a primer  
 for introducing a restriction site

<400> 4  
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<210> 5  
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 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Example of a primer  
 for introducing a restriction site

B' cont  
 <400> 5  
 cgcgattcg agctcggtac ccgggatcc tctccctctc attttcttat 50

<210> 6  
 <211> 29  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Primer

<400> 6  
 cgcgatcca tgtattacaa caggttggt 29

<210> 7  
 <211> 29  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Primer

<400> 7  
 cgcgattct cacacatact ccttcgtat 29

<210> 8  
 <211> 29  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Primer

<400> 8  
 cgcgatcca tgtcttggtc aattagctc 29

<210> 9  
 <211> 29  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: Primer  
  
 <400> 9  
 aaagaattct taatcaacac gcccgttat 29  
  
 <210> 10  
 <211> 26  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: Primer  
  
 <400> 10  
 gtttctctct cctctcattt tcttat 26  
  
 <210> 11  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
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 <400> 11  
 atgtattaca acaggttggt 20  
  
 <210> 12  
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 <212> DNA  
 <213> Artificial Sequence  
  
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 <223> Description of Artificial Sequence: Primer  
  
 <400> 12  
 atgtcttggt caattagctc 20  
  
 <210> 13  
 <211> 29  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: Primer  
  
 <400> 13  
 cgcgaattca tgtattacaa caggttggt 29  
  
 <210> 14  
 <211> 29  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>

B'  
 int.

<223> Description of Artificial Sequence: Primer

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cgcgaattca tgtcttggtc aattagctc

29

<210> 15

<211> 1581

<212> DNA

<213> Agrobacterium radiobacter M36

<220>

<221> Promoter

<222> 314..316

<220>

<221> Terminator

<222> 1559..1561

<220>

<221> Gene

<222> 341..1558

<223> MIase structural gene

<400> 15

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cacgggcaca ctctcattt cgatttgcaa gatcgcaagt cgtcaagtca cataaagata 180  
tgtttatgtc aatatatctt caagggacag gcatggcttt gcgctcgttg gtcacgttac 240  
gaaatatcgc tgacagatga caggtttata cggcaaggat ataagccgaa gcagcaaacg 300  
catggaggac gcaatgcccg aagacgatca caacagccgc aactggaata ccctgccctg 360  
gcaccgccag tggctgggtga aacaggccga gggacttttc gacttcttcc agtatcgcgc 420  
cctcaatccc gccggcggtt tcttcgatct cgacgccaaag ggcgcgcgcg tgcaggcaaa 480  
cgatcccgtg cgcggcatcc atgcctctgc gcgcatggtg cattgcttct ccacgcgcca 540  
cctgctcggc cggccgggct gcggcgatat cgtcgaccac ggcacgacct atctctggaa 600  
caaacaccgc gatggcgaaac atggcggtta tttctggcag gtgaacgatg ccggcccagt 660  
ggacgccacc aagcaggggtt atggccacgc ctctcgtgctt ctggccgcct cttccgcca 720  
gaccgtcggc caccgcgtgg ccgaccggat gctggctgat attaccgaag tgctggaaag 780  
tcgtttcttg gaagaaaaac atggcgccat cgccgaggaa ttcaatcgcg actggtcgcc 840  
catcgacaat tatcgcggcc agaactccaa tatgcacctc accgaagcgc tgatggccgc 900  
ctatgaggtg accggcgaca ataactatct cagcaaggcc gaacgcacgc ccatctcgt 960  
catcgcgcgc cgcgcggcg agctggattt ccgcgtgccc gagcatttcg acgacaactg 1020  
gacgctggac aaggactatc gcggcaacga aatgttccgc cctccggct ccacccccgg 1080  
ccactggctg gaatgggcgc gtctcactct gcaattgttg atactggcg aacgccgcca 1140  
cgactggatg ccggtcgcgc ccaaaccct ctctcgtcag tccatggcg tgggctggga 1200  
ccgggaaaag ggcggcttct tttatacgt ggactggaat gacaatcccg acaagcgggc 1260  
aaagctcttg tggcccatgt ccgaggcggc ggggtcggcc catttcctca acgagaacct 1320  
gccggcggat ggcttctacg aagacagcta tcgtcgcata tggagcacca tcgccaacaa 1380  
cttcacgcac catgccaatg gcggctggca tgaggaactg acggaagatc tggttcccgc 1440  
ccacacgcta ttcccaggca agggcgatat ctaccatgcg ctccaggcct gcctcatccc 1500  
gcttttcccg gcgacgggca gcctgacgaa ggtgatcaag gaaagcggcg gggattatta 1560  
aggcgctctg cggccaatag c 1581

<210> 16

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 16

gcattctcgag catatgcgga tctctccct ctcattttc

39

<210> 17

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 17

gcattctcgag ggtaataaaa aaacacctcc a

31

<210> 18

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 18

gcattgaattc aaagcagcga tcccgatgaa

30

<210> 19

<211> 283

<212> DNA

<213> Bacillus amyloliquefaciens

<400> 19

ctcgagggtg ataaaaaac acctccaagc tgagtgcggg tatcagcttg gaggtgcggt 60  
tatttttttca gccgtatgac aaggctcgga tcagggtgga caaatacggg atgctggctg 120  
tcataggtga caaatccggg ttttgcgccc ttgggctttt tcacatgtct gatttttgta 180  
taatcaacag gcacggagcc ggaatctttc gccttgga aaataagcggc gatcgtagct 240  
gcttccaata tggattgttc atcgggatcg ctgctttgaa ttc 283

<210> 20

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 20

gcattcatatg cccgaagacg atcacaac

28

<210> 21

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 21

gcattctcgag ttaataatcc ccgccgcttt c

31

<210> 22

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 22

atgcccgaag acgatcaca c

21

b'  
cvel.